

Title (en)
Plasma addressing electro-optical device

Title (de)
Plasma-adressierbare elektro-optische Anordnung

Title (fr)
Dispositif électro-optique adressable par plasma

Publication
EP 0554851 B1 19970416 (EN)

Application
EP 93101653 A 19930203

Priority
JP 4797092 A 19920204

Abstract (en)
[origin: EP0554851A1] A plasma addressing electro-optical device comprising a first substrate (4) having a plurality of first electrodes (D) arranged substantially in parallel to each other on a major surface thereof; a second substrate (7) opposed to the first substrate and having a plurality of second electrodes arranged substantially in parallel to each other on a major surface thereof; an electro-optical material layer (G) positioned between the first and second substrates; and a discharge chamber (2) formed between the electro-optical material layer and the second substrate and containing an ionizable gas. The second electrode has a plurality of barrier ribs (9) periodically disposed thereon, and the first and second electrodes are so arranged as to be spaced apart in the vertical and horizontal, respectively. And each of the barrier ribs is substantially the same in width as the second electrode. Since the width of each electrode is reducible to be equal to that of the barrier rib, both definition and fineness can be enhanced in the device. <IMAGE>

IPC 1-7
G02F 1/133; **G09G 3/36**; **H01J 17/48**

IPC 8 full level
G02F 1/1333 (2006.01); **G02F 1/133** (2006.01); **G09F 9/46** (2006.01); **G09G 3/36** (2006.01); **H01J 17/48** (2006.01)

CPC (source: EP KR US)
G02F 1/133 (2013.01 - KR); **G02F 1/13334** (2013.01 - EP US); **G09G 3/3648** (2013.01 - EP US); **G09G 3/3662** (2013.01 - EP US); **H01J 17/48** (2013.01 - EP US); **H01J 2217/4025** (2013.01 - EP US)

Cited by
US5914562A; EP0742571A3; EP0652458A1; US5657035A; EP0651368A1; US5506599A

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0554851 A1 19930811; **EP 0554851 B1 19970416**; DE 69309731 D1 19970522; DE 69309731 T2 19971127; JP H05216415 A 19930827; KR 100259929 B1 20000615; KR 930018623 A 19930922; US 5351144 A 19940927

DOCDB simple family (application)
EP 93101653 A 19930203; DE 69309731 T 19930203; JP 4797092 A 19920204; KR 930001452 A 19930204; US 15804493 A 19931124